

(19) 世界知的所有権機関
国際事務局



(43) 国際公開日
2001年3月22日 (22.03.2001)

PCT

(10) 国際公開番号
WO 01/20456 A1

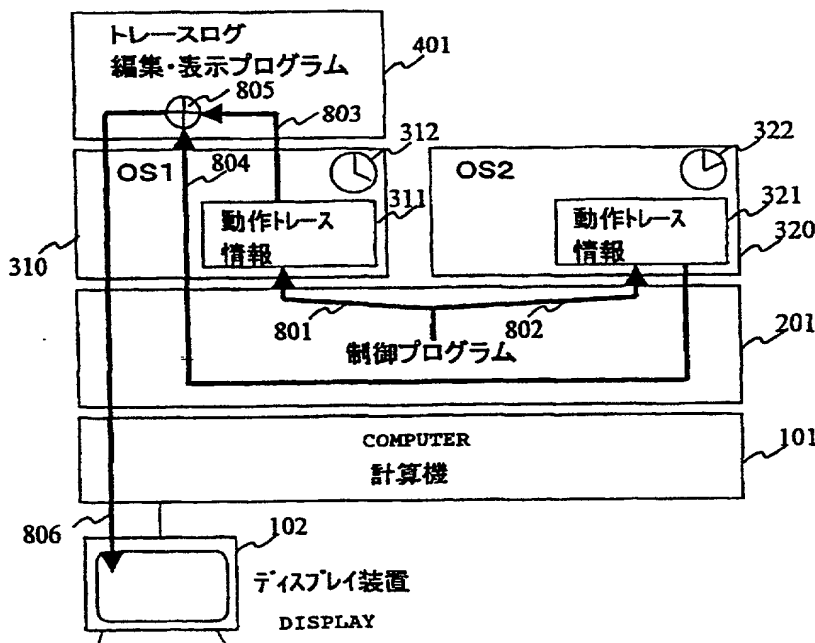
- (51) 国際特許分類: G06F 11/34
- (21) 国際出願番号: PCT/JP99/04936
- (22) 国際出願日: 1999年9月10日 (10.09.1999)
- (25) 国際出願の言語: 日本語
- (26) 国際公開の言語: 日本語
- (71) 出願人 (米国を除く全ての指定国について): 株式会社日立製作所 (HITACHI, LTD.) [JP/JP]; 〒101-8010 東京都千代田区神田駿河台四丁目6番地 Tokyo (JP).
- (72) 発明者; および
- (75) 発明者/出願人 (米国についてのみ): 宮尾 健

(MIYAO, Takeshi) [JP/JP]. 笠嶋広和 (KASASHIMA, Hirokazu) [JP/JP]; 〒319-1221 茨城県日立市大みか町五丁目2番1号 株式会社日立製作所 大みか事業所内 Ibaraki (JP). 中村智明 (NAKAMURA, Tomoaki) [JP/JP]. 大野 洋 (OHNO, Hiroshi) [JP/JP]; 〒101-8010 東京都千代田区神田駿河台四丁目6番地 株式会社日立製作所 日立製作所内 Tokyo (JP). 上脇 正 (KAMIWAKI, Tadashi) [JP/JP]. 齊藤雅彦 (SAITO, Masahiko) [JP/JP]; 〒319-1292 茨城県日立市大みか町七丁目1番1号 株式会社日立製作所 日立研究所内 Ibaraki (JP). 井上太郎 (INOUE, Taro) [JP/JP]; 〒215-0013 神奈川県川崎市麻生区王禅寺1099番地 株式会社日立製作所 システム開発研究所内 Kanagawa (JP).

[続葉有]

(54) Title: OPERATING SYSTEM MANAGING SYSTEM AND METHOD

(54) 発明の名称: オペレーティングシステム管理システム及び方法



(57) Abstract: Conventionally, there has been a drawback that when the times managed by operating systems (hereinafter referred to as OSs) built in a computer, the result that the sets of trace log information collected for each OS are merged in order of time is different from the order in which the actual traces have occurred. According to the invention, recording means for storing a check point trace in the operation trace information on the operation traces of the OSs is provided, the correspondence between the check point traces is found by searching for the operation trace information, and additive information such as time difference information and counter information is added to the operation trace information. Even if the times managed by the OSs differ from each other, the order of events recorded by the OSs is correctly managed, and the order in which the sets of trace information on the OSs have occurred is found.

- 401 ... TRACE LOG EDIT/DISPLAY PROGRAM
- 311 ... OPERATION TRACE INFORMATION
- 321 ... OPERATION TRACE INFORMATION
- 201 ... CONTROL PROGRAM

[続葉有]

WO 01/20456 A1

ABSTRACT

If a plurality of operating systems are running in one computer and each of those operating systems has its own managed time, which is different from others, then trace log information items collected by those operating systems and merged in order of their generated times may not be as they are generated actually. In order to avoid such a problem, therefore, the present invention provides an operating system management system with recording means for storing a check point trace in the operation trace information of each of those operating systems, thereby finding the correspondence among those check point traces by searching the operation trace information item of each operating system, then adding such additional information as a time difference, a counter value, etc. to the operation trace information. Thus, even when each operating system has its own managed time different from others, it is possible to manage the sequence of events recorded in those operating systems correctly, thereby finding the sequence in which the trace information items of those operating systems are actually generated.